



ELAROMA - IESU™ (Iso E Super)

Technical Datasheet

1. Technical Datasheet

Property	Specification
Physical Properties	
Appearance	Clear to pale yellow liquid
Physical Form	Clear to pale yellow liquid
Odor	Smooth, dry, woody, and ambery with cedar-like and velvety facets.
Molecular Weight	234.38 g/mol
Density	0.95 g/cm ³
Specific Gravity	0.9590 - 0.9666 @ 25°C
Refractive Index	1.4960 - 1.5020 @ 25°C
pH (aqueous solution)	Not applicable
Assay / Purity	Commercial Iso E Super is a complex mixture of isomers. A typical composition includes: Isomer B (40-60%), Isomer D (11-18%), Isomer H (9-14%), Isomer C (4-9%), Isomer A (3-6%), Isomer G (Arborone, 2-4%), and other minor isomers.
Chemical Properties	
Ionic Nature	Non-ionic
Incompatibilities	Strong oxidizing agents, strong acids, strong bases.
Hazardous Reactions / Decomposition Products	Under fire conditions, may produce carbon monoxide, carbon dioxide, and other unidentified organic compounds.
Thermal Properties	
Melting Point	Not applicable
Boiling Point	300 °C
Flash Point	134 °C
Autoignition Temperature	260 °C
Thermal Stability	Stable under normal handling and storage conditions. Avoid direct sources of heat.
Solubility	
Solubility in Water	Practically insoluble (0.00268 g/L at 20°C)
Solubility in Ethanol	Soluble
Solubility in Glycerol	Soluble

Property	Specification
Solubility in Oils	Soluble

2. Processing Methods

Fahrenheit (Dior, 1988)

Iso E Super is a foundational component in many modern fragrances, often used to provide structure and enhance diffusion.

Key Ingredients	Indicative Dosage (% w/w)
Iso E Super	25%

Trésor (Lancôme, 1990)

Iso E Super is a foundational component in many modern fragrances, often used to provide structure and enhance diffusion.

Key Ingredients	Indicative Dosage (% w/w)
Iso E Super	18%

Féminité du Bois (Shiseido/Serge Lutens, 1992)

Iso E Super is a foundational component in many modern fragrances, often used to provide structure and enhance diffusion.

Key Ingredients	Indicative Dosage (% w/w)
Iso E Super	43%

Molecule 01 (Escentric Molecules, 2006)

Composed entirely of Iso E Super diluted in alcohol.

Key Ingredients	Indicative Dosage (% w/w)
Iso E Super	100%

3. Dosing by Application

Application	Recommended / Max Dosage
Fine Fragrance (General)	1% - 30%
Subtle support/enhancer	1% - 10%
Structural component	10% - 40% (can be higher)
Personal Care (Soaps, Lotions)	Widely used; specific levels not published but suitable for these applications.
Home Care (Detergents, Candles)	Widely used; specific levels not published but suitable for these applications.



Application	Recommended / Max Dosage
IFRA 49th Amendment Limit (Cat. 4 - Fine Fragrance)	21.4%

The information and data contained herein are believed to be accurate but may not be all inclusive and should only be used as a guide. The information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the product for his particular use and on condition that they assume the risk of the use thereof.

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